

# Flight Experience and Aircrew Factor Mishap Rates

**The following charts and notes display relationships between pilots' flight experience and aircrew factor mishap rates.**

**Flight experience is measured in:**

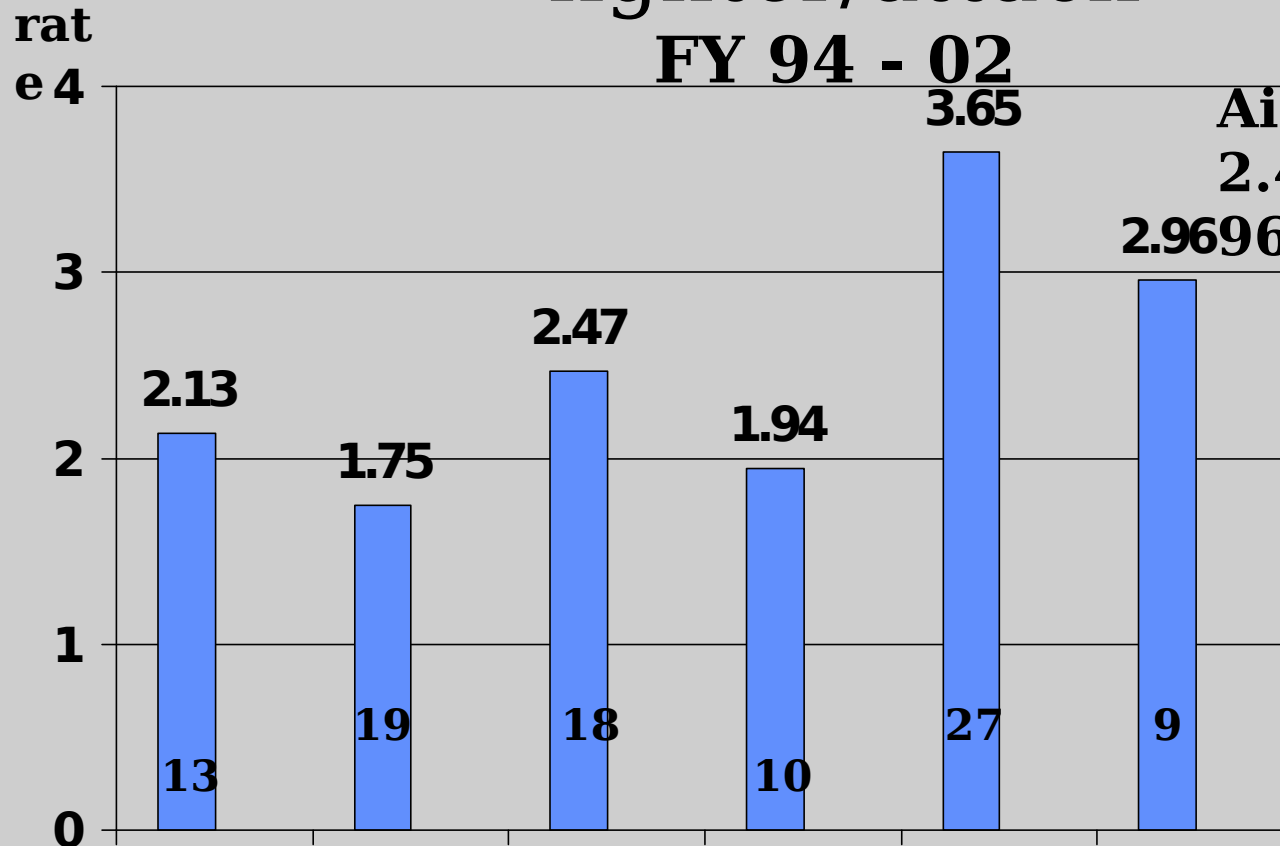
**total lifetime hours  
model lifetime hours**

**The rate for a given experience level is equal to the number of aircrew factor mishaps for which the pilot has that experience level  
per 100,000 hours flown at that experience level.**

# total lifetime hours vs aircrew factor mishap rates fighter/attack

**FY 94 - 02**

**Aircrew rate =  
2.41  
2.9696 pilots**



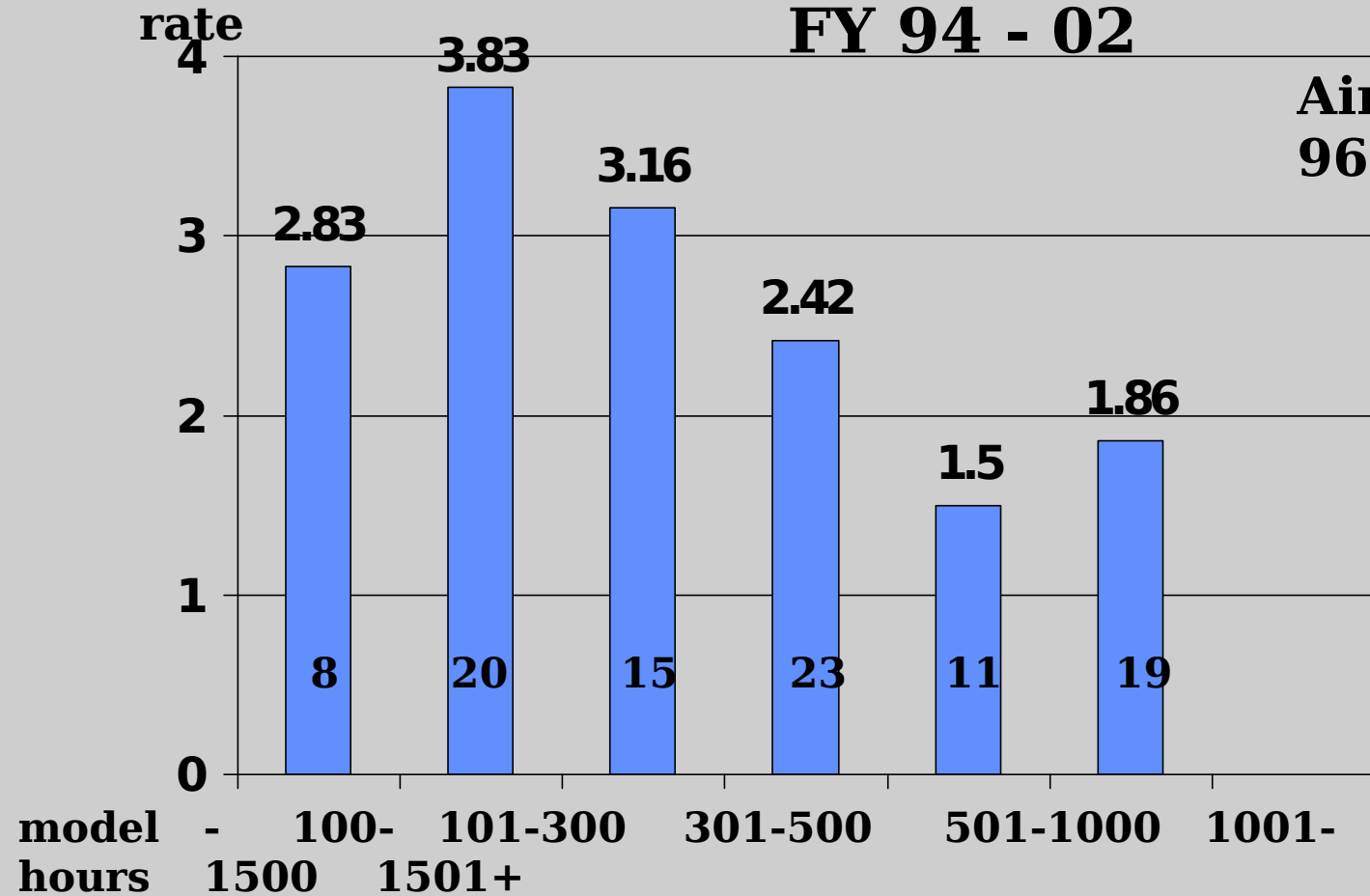
**total hours** 500- 501-1000 1001-1500 1501-2000 2001-3000 3001+

**pilots at fault in class A flight mishaps; numbers inside bars**

model lifetime hours vs aircrew  
factor mishap rates  
fighter/attack

**FY 94 - 02**

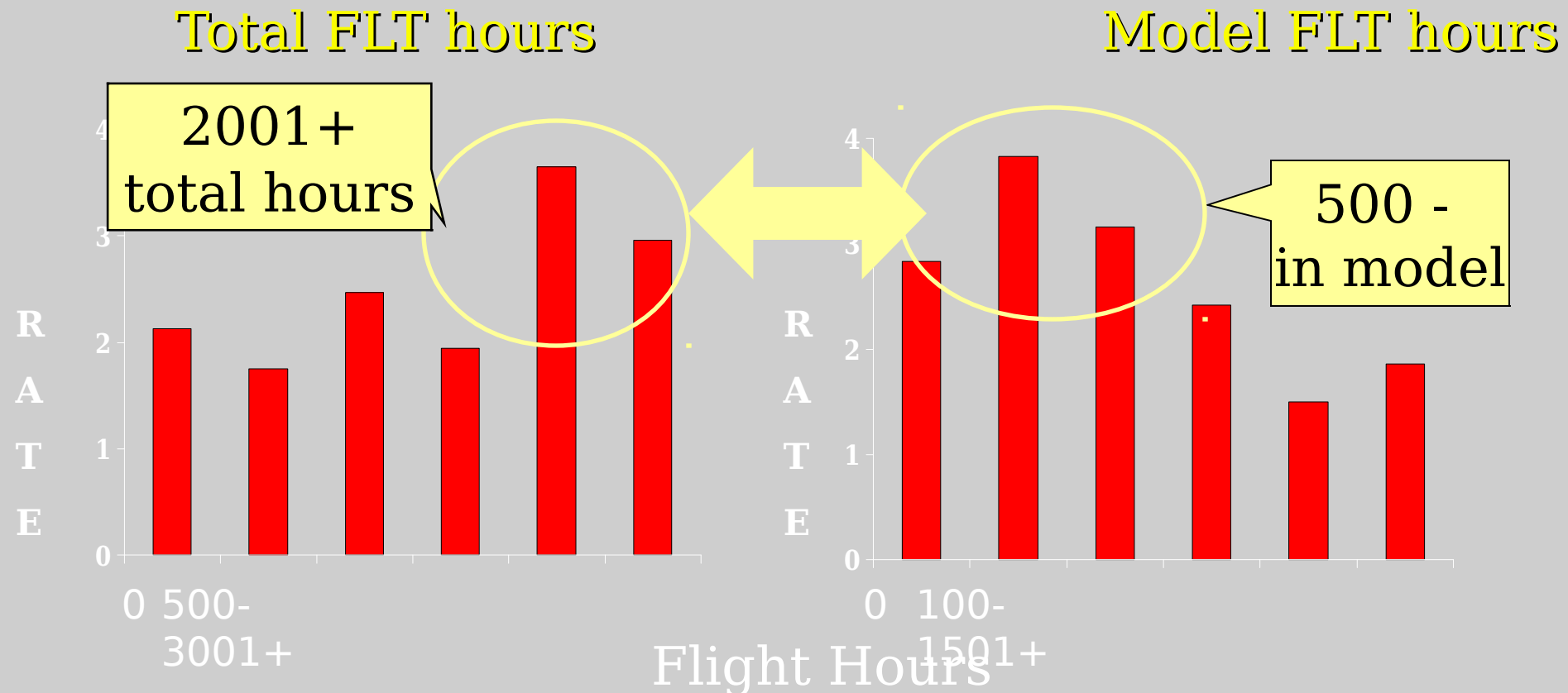
**Aircrew rate = 2.41  
96 pilots**



**model hours - 100-1500 1501-300 301-500 501-1000 1001-1501+**  
**rate**  
**4**  
**3**  
**2**  
**1**  
**0**  
**8**  
**20**  
**15**  
**23**  
**11**  
**19**  
**2.83**  
**3.83**  
**3.16**  
**2.42**  
**1.5**  
**1.86**  
**Aircrew rate = 2.41**  
**96 pilots**  
**FY 94 - 02**  
**model lifetime hours vs aircrew**  
**factor mishap rates**  
**fighter/attack**

# Total & Model FLT hours vs aircrew factor mishap rates (fighter/attack)

FY 94 - 02 (96 Pilots)



# *Navy/Marine Fighter/Attack*

## *High Risk Pilots*

Aircrew  
error rate

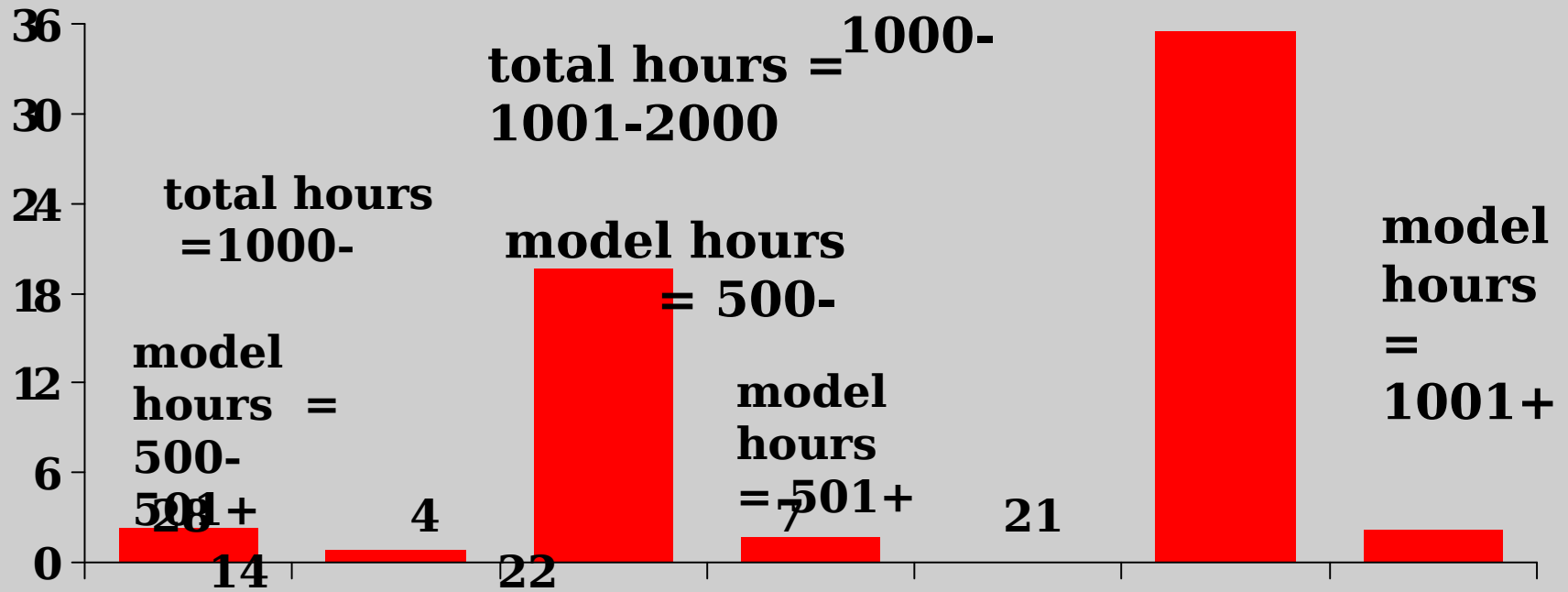
= 2.41

*FY94-96* pilots  
total hours

= 2001+

rate

model  
hours =

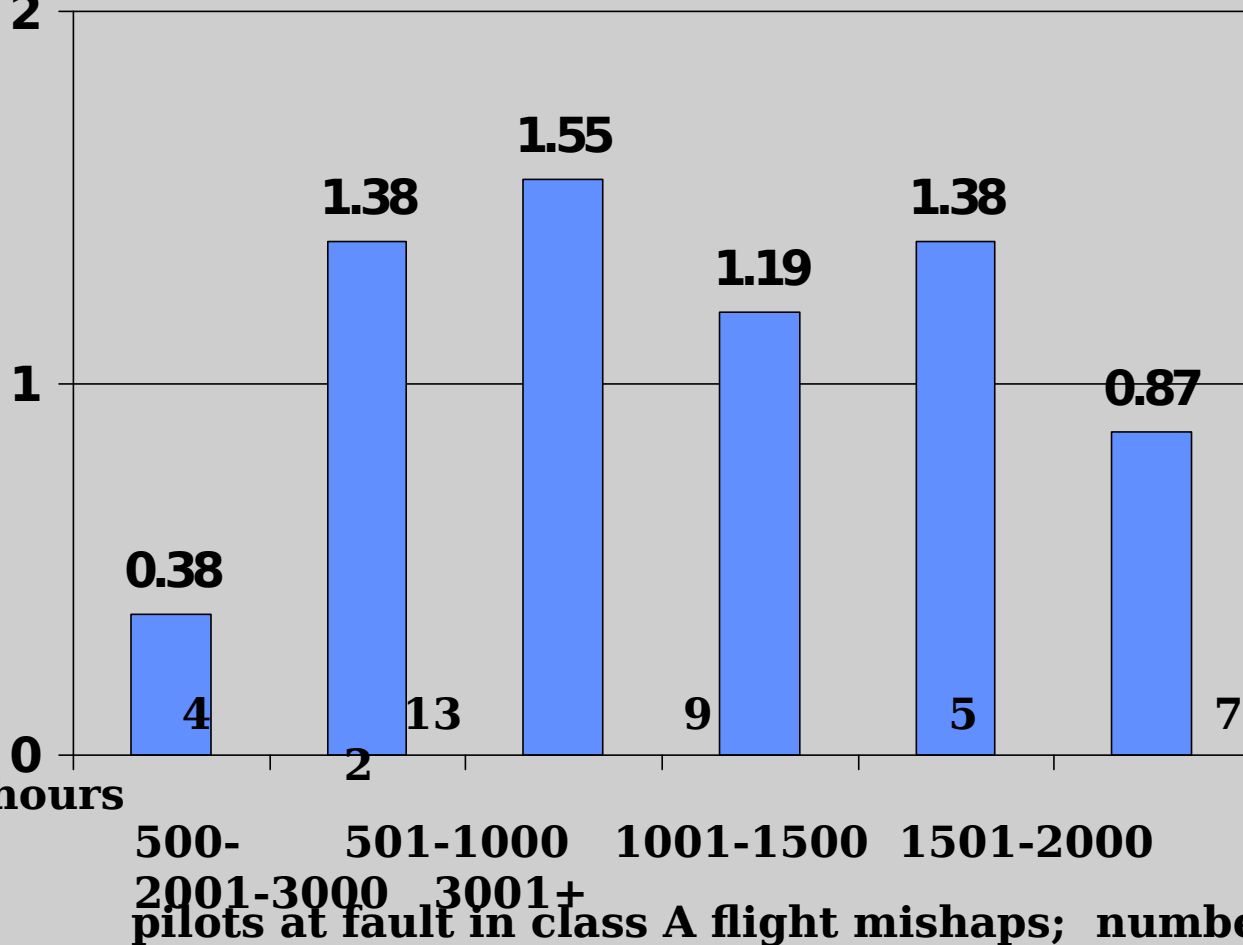


Rate is per 100,000 flight hours; numbers inside bars represent number of pilots at fault in class A flight mishaps

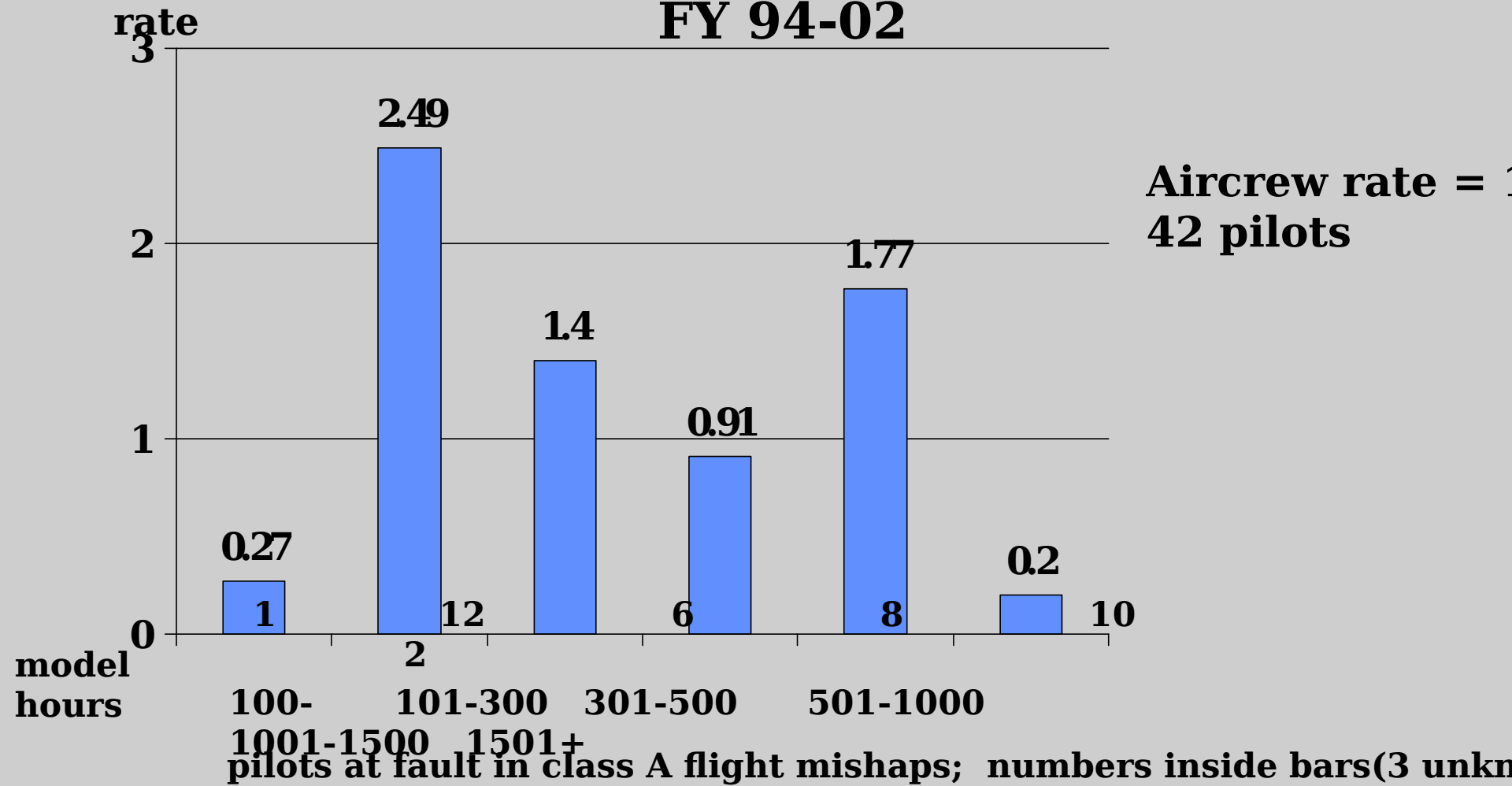
# total lifetime hours vs aircrew factor mishap rates helicopter FY 94-02

rate

Aircrew rate = 1  
42 pilots



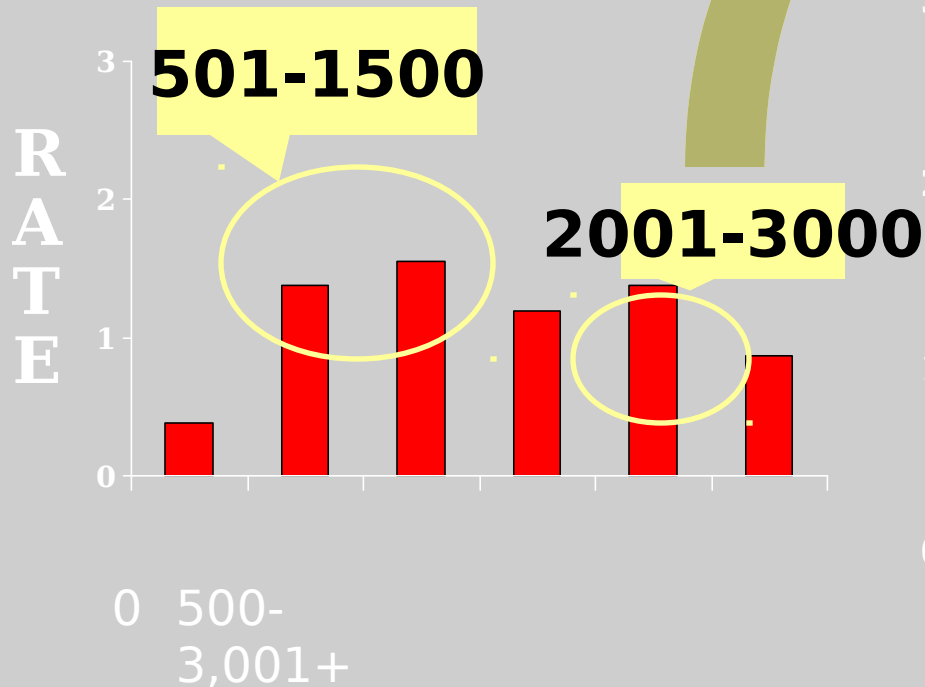
model lifetime hours vs aircrew  
factor mishap rates  
helicopter  
FY 94-02



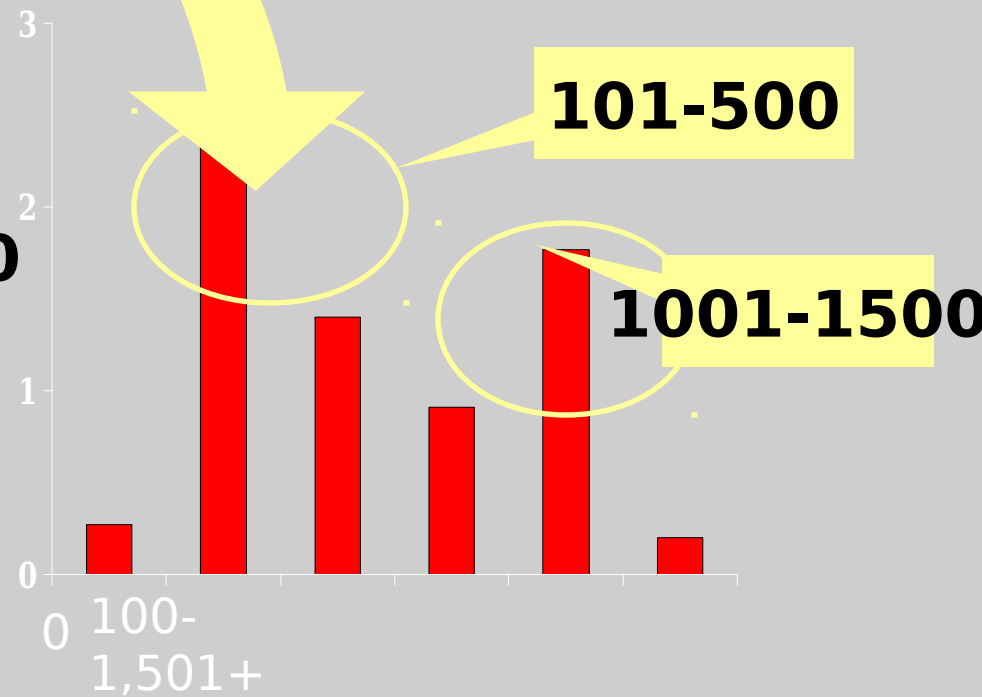
# Total & Model FLT hours vs aircrew factor mishap rates (helicopter)

FY 94-02 (42 Pilots)

Total FLT hours



Model FLT hours



Flight Hours



# Navy/Marine Helicopter

## High Risk Pilots

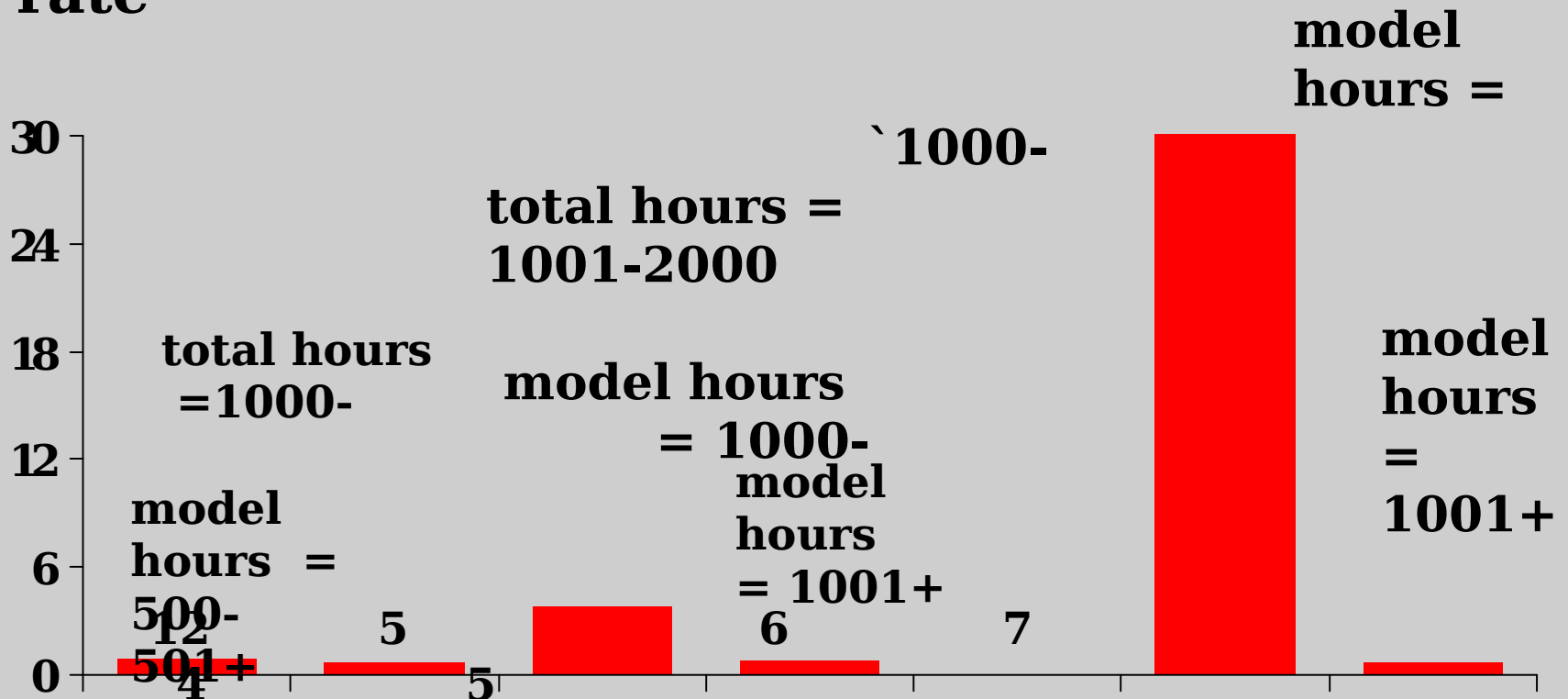
Aircrew  
error rate

= 1.12

FY94-02 pilots  
total hours

= 2001+

rate



Rate is per 100,000 flight hours; numbers inside bars represent number of pilots at fault in class A flight mishaps( 3 unknown total x model

# trainer

rate  
e 6



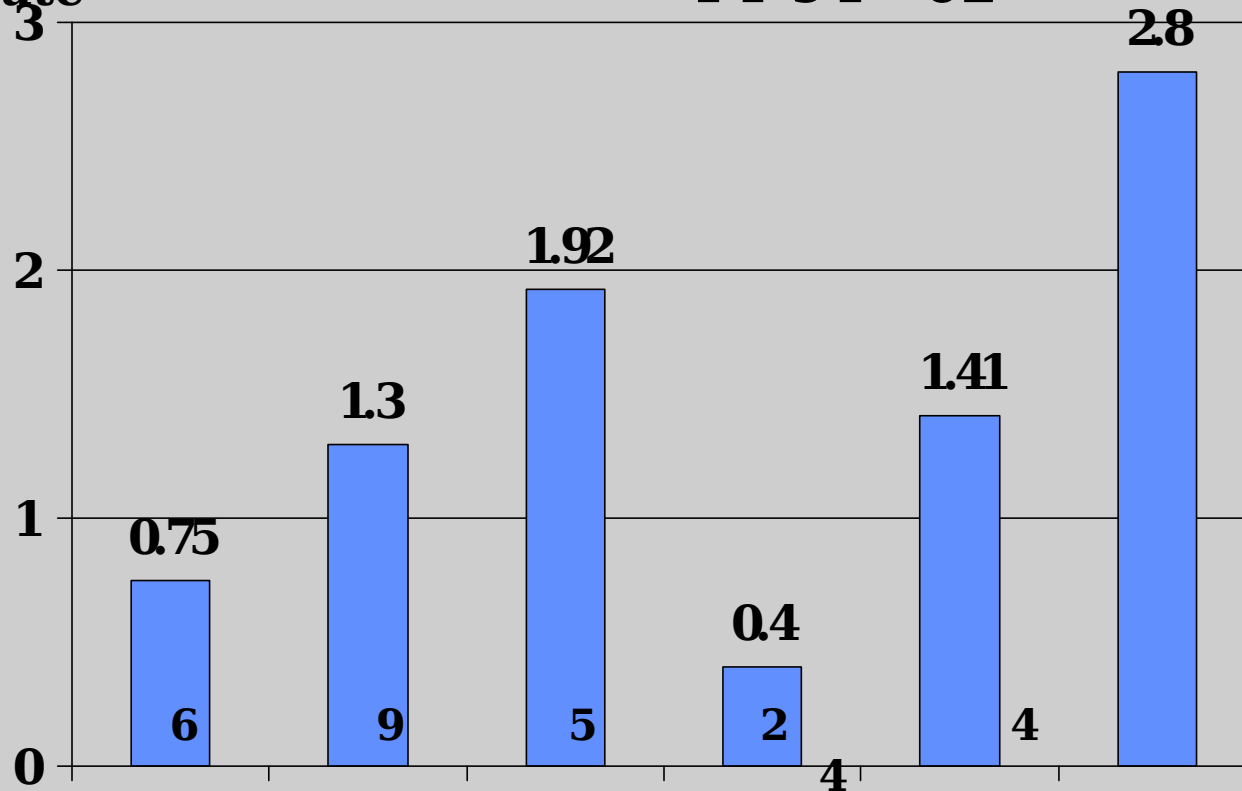
**pilots at fault in class A flight mishaps; numbers inside bars**

# model lifetime hours vs aircrew factor mishap rates trainer

FY 94 - 02

rate

Aircrew rate = 1  
30 pilots



model  
hours

100-  
1500

1501+

101-300

301-500

501-1000

1001-

pilots at fault in class A flight mishaps; numbers inside bars

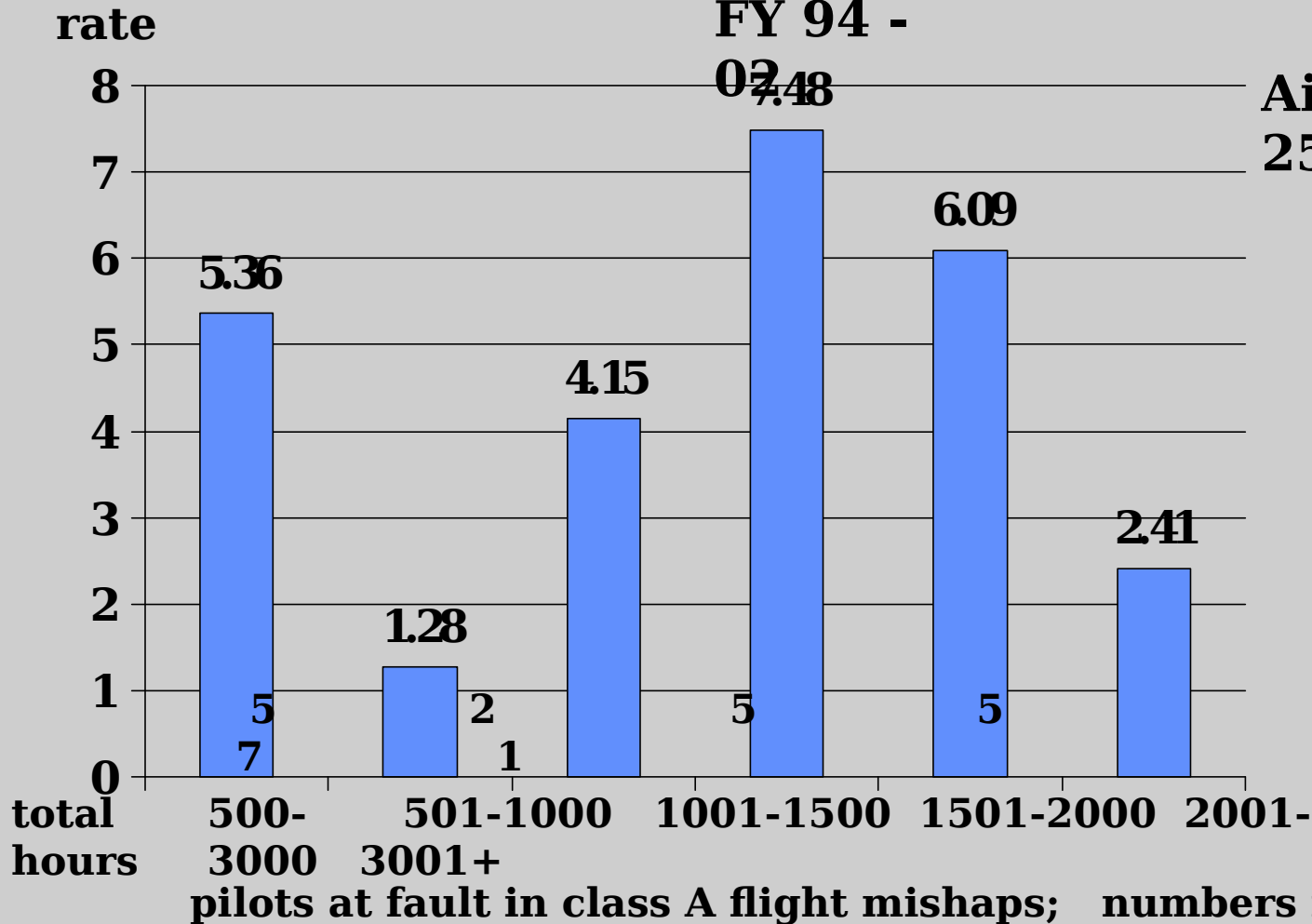
# total lifetime hours vs aircrew factor mishap rates

F - 14

FY 94 -

07-48

Aircrew rate = 4  
25 pilots



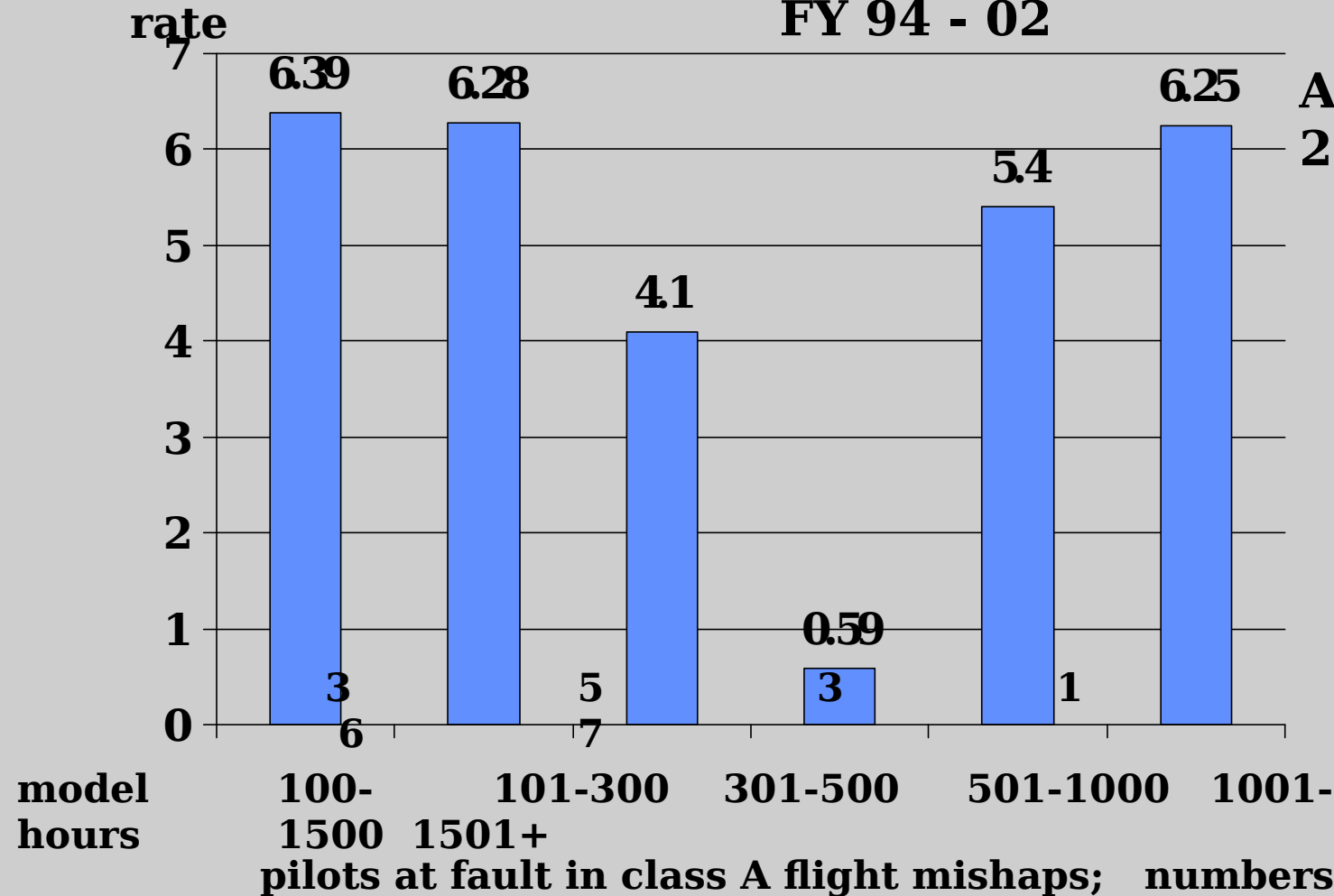
# model lifetime hours vs aircrew factor mishap rates

F - 14

FY 94 - 02

rate

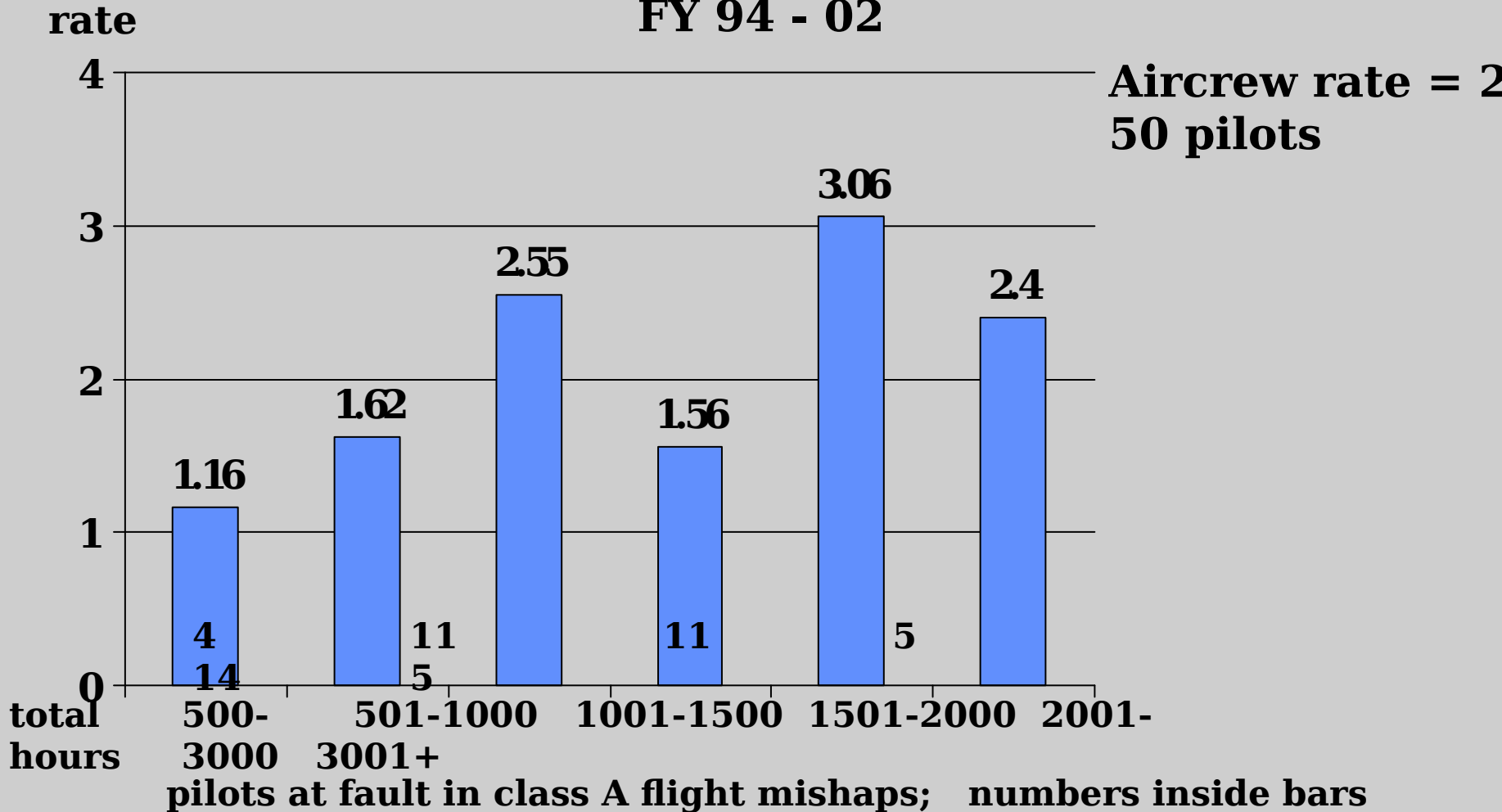
Aircrew rate = 4  
25 pilots



# total lifetime hours vs aircrew factor mishap rates

F/A - 18

FY 94 - 02



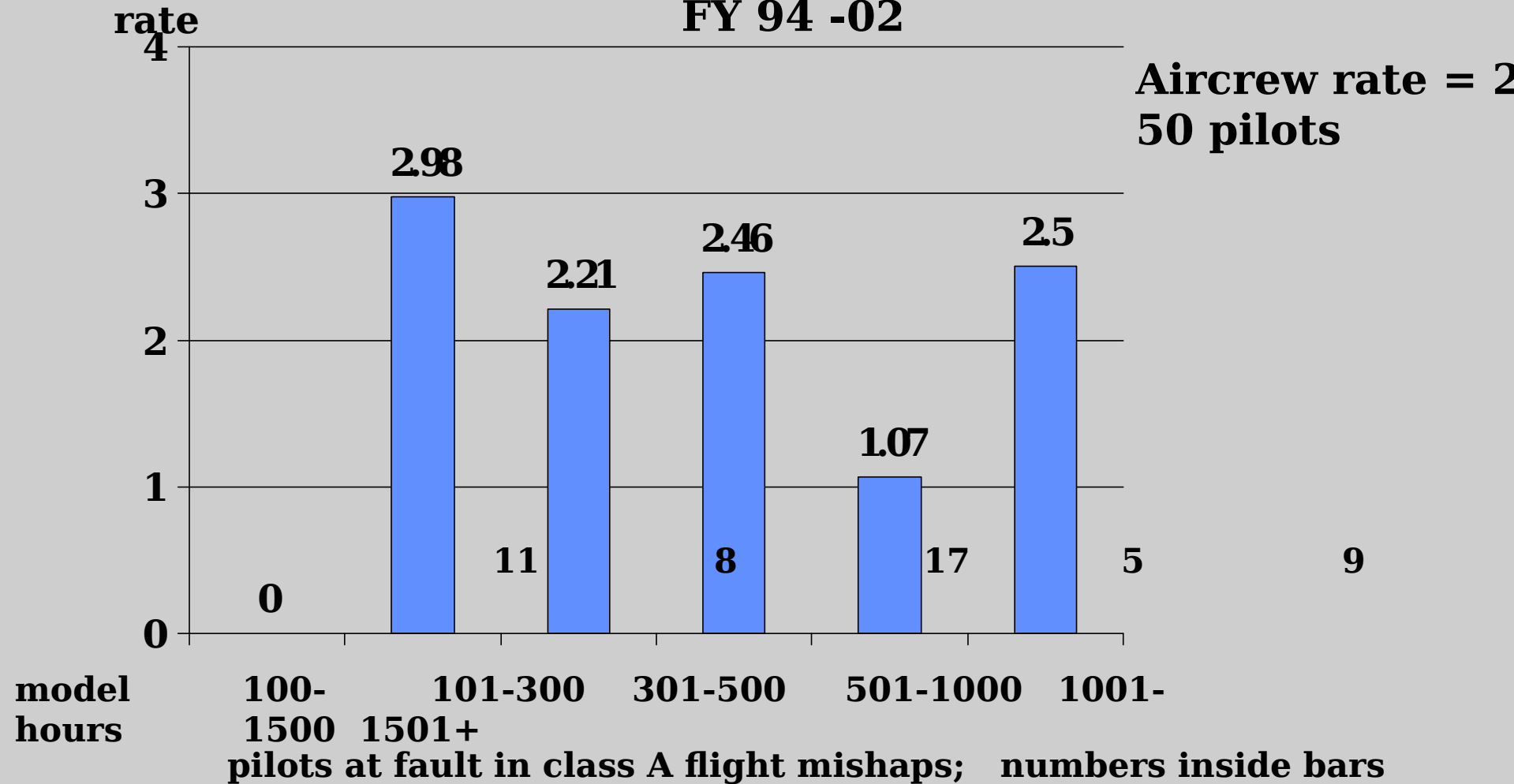
# model lifetime hours vs aircrew factor mishap rates

F/A - 18

FY 94 -02

rate

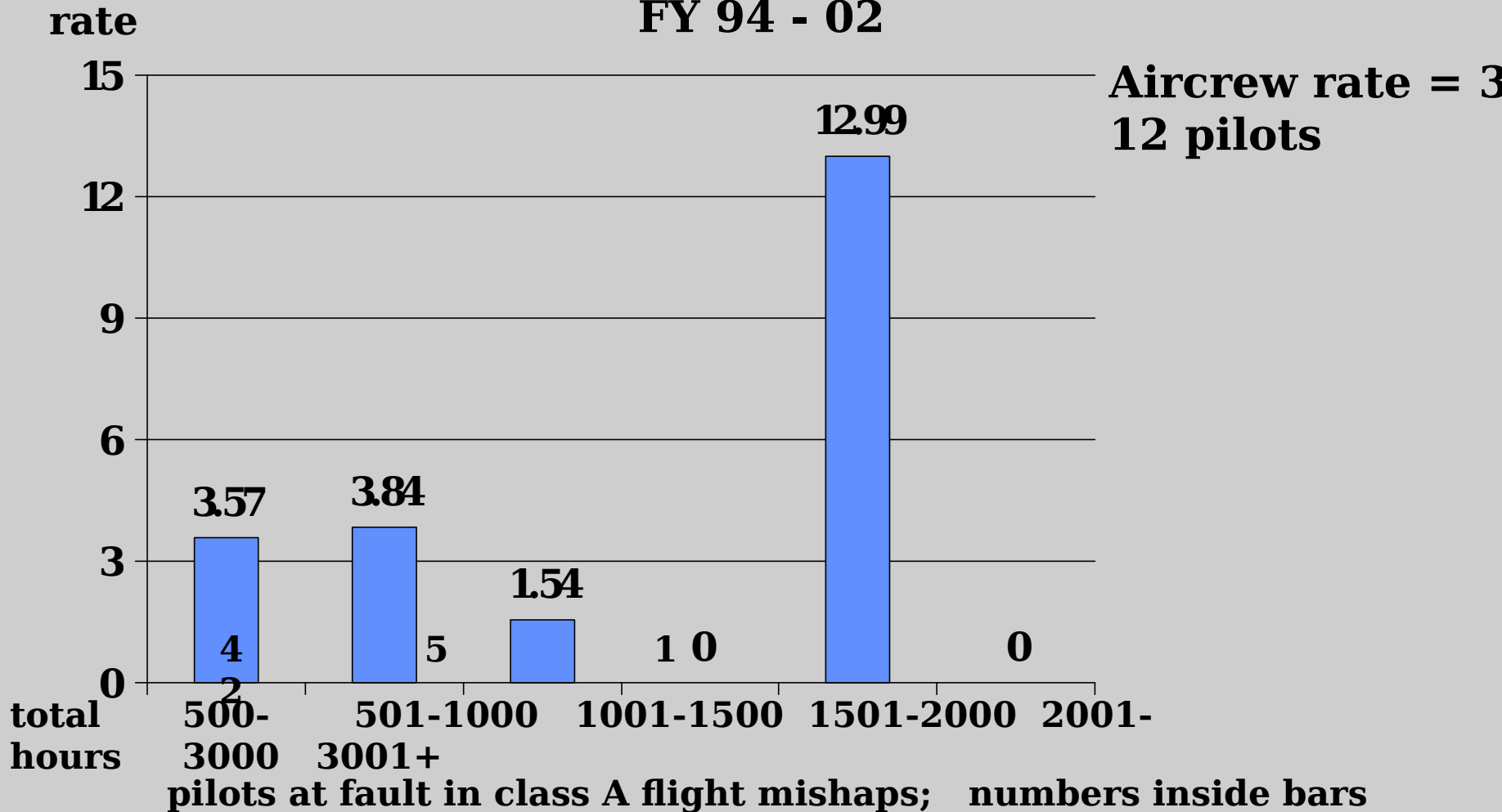
Aircrew rate = 2  
50 pilots



# total lifetime hours vs aircrew factor mishap rates

AV - 8

FY 94 - 02





# model lifetime hours vs aircrew factor mishap rates

AV - 8

FY 94 - 02

rate

Aircrew rate = 3  
12 pilots

